

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/497,822A
 DATE: 08/28/2001
 TIME: 13:56:18

Input Set : A:\ES.txt
 Output Set: N:\CRF3\08282001\I497822A.raw

ENTERED

3 <110> APPLICANT: French, Frank
 4 Wilson, Elizabeth
 5 Joseph, David
 6 Lubahn, Dennis
 8 <120> TITLE OF INVENTION: ANDROGEN RECEPTOR PROTEINS RECOMBINANT DNA MOLECULES AND
 CODING FOR SUCH

9 AND USE OF SUCH COMPOSITIONS
 11 <130> FILE REFERENCE: 5470.130DV
 13 <140> CURRENT APPLICATION NUMBER: US 09/497,822A
 14 <141> CURRENT FILING DATE: 2000-02-03
 16 <160> NUMBER OF SEQ ID NOS: 26
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 32
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Synthetic Oligonucleotide probe.
 28 <400> SEQUENCE: 1
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 33 <211> LENGTH: 32
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 2
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 41 <210> SEQ ID NO: 3
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 43 <212> TYPE: DNA
 44 <213> ORGANISM: Homo sapiens
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 50 <210> SEQ ID NO: 4
 51 <211> LENGTH: 32
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Homo sapiens
 55 <400> SEQUENCE: 4
 56 acctgtggca gctgcaaagt tttcttcaaa ag
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 60 <211> LENGTH: 32
 61 <212> TYPE: DNA
 62 <213> ORGANISM: Homo sapiens
 64 <400> SEQUENCE: 5
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 68 <210> SEQ ID NO: 6
 69 <211> LENGTH: 32
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Homo sapiens

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74 tcctgtgagg gctgtaaggc cttcttcaag ag 32
77 <210> SEQ ID NO: 7
78 <211> LENGTH: 32
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 7
83 acgtgtgaag gctgcaaggg tttctttaga ag 32
86 <210> SEQ ID NO: 8
87 <211> LENGTH: 32
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 8
92 gcctgtgagg gctgcaaggg cttcttccgc cg 32
95 <210> SEQ ID NO: 9
96 <211> LENGTH: 66
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 9
102 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Ala Leu
103 1 5 10 15
106 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly Lys
107 20 25 30
110 Gln Lys Tyr Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys Phe
111 35 40 45
114 Arg Arg Lys Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu Ala
115 50 55 60
118 Gly Met
119 65
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 66
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 10
129 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu
130 1 5 10 15
133 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Met Glu Gly Gln
134 20 25 30
137 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Val Asp Lys Ile
138 35 40 45
141 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Arg Lys Cys Cys Gln Ala
142 50 55 60
145 Gly Met
146 65
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 66
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 11

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156 Cys Leu Val Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Val
157 1          5          10          15
160 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln
161          20          25          30
164 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile
165          35          40          45
168 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Gln Lys Cys Leu Gln Ala
169          50          55          60
172 Gly Met
173 65
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 66
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
181 <400> SEQUENCE: 12
183 Cys Leu Val Cys Ser Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu
184 1          5          10          15
187 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln
188          20          25          30
191 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile
192          35          40          45
195 Arg Arg Lys Asn Cys Pro Ala Cys Arg Tyr Arg Lys Cys Leu Gln Ala
196          50          55          60
199 Gly Met
200 65
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 66
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 13
210 Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val Trp
211 1          5          10          15
214 Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly His
215          20          25          30
218 Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys Asn
219          35          40          45
222 Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu Val
223          50          55          60
226 Gly Met
227 65
230 <210> SEQ ID NO: 14
231 <211> LENGTH: 66
232 <212> TYPE: PRT
233 <213> ORGANISM: Gallus gallus
235 <400> SEQUENCE: 14
237 Cys Gly Val Cys Gly Asp Arg Ala Thr Gly Phe His Phe Asn Ala Met
238 1          5          10          15
241 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Met Lys Arg Lys
242          20          25          30

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```

245 Ala Met Phe Thr Cys Pro Phe Asn Gly Asp Cys Lys Ile Thr Lys Asp
246          35          40          45
249 Asn Arg Arg His Cys Gln Ala Cys Arg Leu Lys Arg Cys Val Asp Ile
250          50          55          60
253 Gly Met
254 65
257 <210> SEQ ID NO: 15
258 <211> LENGTH: 68
259 <212> TYPE: PRT
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 15
264 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile
265 1          5          10          15
268 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Thr Ile Gln Lys Asn
269          20          25          30
272 Leu His Pro Ser Tyr Ser Cys Lys Tyr Glu Gly Lys Cys Val Ile Asp
273          35          40          45
276 Lys Val Thr Arg Asn Gln Cys Gln Glu Cys Arg Phe Lys Lys Cys Ile
277          50          55          60
280 Tyr Val Gly Met
281 65
284 <210> SEQ ID NO: 16
285 <211> LENGTH: 68
286 <212> TYPE: PRT
287 <213> ORGANISM: Avian erythroblastosis virus
289 <400> SEQUENCE: 16
291 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile
292 1          5          10          15
295 Thr Cys Glu Gly Cys Lys Ser Phe Phe Arg Arg Thr Ile Gln Lys Asn
296          20          25          30
299 Leu His Pro Thr Thr Ser Cys Thr Tyr Asp Gly Cys Cys Val Ile Asp
300          35          40          45
303 Lys Ile Thr Arg Asn Gln Cys Gln Leu Cys Arg Phe Lys Lys Cys Ile
304          50          55          60
307 Ser Val Gly Met
308 65
311 <210> SEQ ID NO: 17
312 <211> LENGTH: 66
313 <212> TYPE: PRT
314 <213> ORGANISM: Homo sapiens
316 <400> SEQUENCE: 17
318 Cys Phe Val Cys Gln Asp Lys Ser Ser Gly Tyr His Tyr Gly Val Ser
319 1          5          10          15
322 Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Ile Gln Lys Asn
323          20          25          30
326 Met Val Tyr Thr Cys His Arg Asp Lys Asn Cys Ile Ile Asn Lys Val
327          35          40          45
330 Thr Arg Asn Arg Cys Gln Tyr Cys Arg Leu Gln Lys Cys Phe Glu Val
331          50          55          60

```

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Input Set : A:\ES.txt

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334 Gly Met
 335 65
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 339 <211> LENGTH: 5082
 340 <212> TYPE: DNA
 341 <213> ORGANISM: Homo sapiens
 343 <220> FEATURE:
 344 <221> NAME/KEY: misc_feature
 345 <222> LOCATION: (360)..(360)
 346 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 349 <220> FEATURE:
 350 <221> NAME/KEY: misc_feature
 351 <222> LOCATION: (365)..(365)
 352 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 355 <220> FEATURE:
 356 <221> NAME/KEY: misc_feature
 357 <222> LOCATION: (376)..(376)
 358 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 361 <220> FEATURE:
 362 <221> NAME/KEY: misc_feature
 363 <222> LOCATION: (385)..(385)
 364 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 367 <220> FEATURE:
 368 <221> NAME/KEY: misc_feature
 369 <222> LOCATION: (399)..(399)
 370 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 373 <220> FEATURE:
 374 <221> NAME/KEY: misc_feature
 375 <222> LOCATION: (407)..(407)
 376 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 379 <220> FEATURE:
 380 <221> NAME/KEY: misc_feature
 381 <222> LOCATION: (417)..(417)
 382 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 385 <220> FEATURE:
 386 <221> NAME/KEY: misc_feature
 387 <222> LOCATION: (422)..(422)
 388 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 391 <220> FEATURE:
 392 <221> NAME/KEY: misc_feature
 393 <222> LOCATION: (435)..(435)
 394 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 397 <220> FEATURE:
 398 <221> NAME/KEY: misc_feature
 399 <222> LOCATION: (439)..(439)
 400 <223> OTHER INFORMATION: "n" denotes any nucleotide.
 403 <220> FEATURE:
 404 <221> NAME/KEY: misc_feature
 405 <222> LOCATION: (441)..(441)

check Sequence 18

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

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VERIFICATION SUMMARY

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Input Set : A:\ES.txt

Output Set: N:\CRF3\08282001\I497822A.raw

L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18